**PROJECT REPORT – DEIRDRE WELDON (G00341284)**

**PROJECT ON CAR\_PARTS DATABASE**

My project was designing a schema for a model (**car parts**) and creating database and tables. I observed business rules and created tables in accordance with the rules. I adhered to the principles of relational database, and tried to replify an similar model for car parts and customers. I tested and queried data, having created the tables, attributes, primary keys and foreign keys.

I created the following tables:-

CUSTOMER\_STATUS (please note there were 3 levels of status\_description – active, inactive, suspended). I created attribute keys for status\_code & description but omitted to include the 3 levels.

CUSTOMERS

CUSTOMER ADDRESS

ORDERS

SUPPLIERS

PARTS\_SUPPLIERS

PARTS-IN\_ORDERS

BRANDS

CARS

CAR\_MANUFACTURER\_NR

PARTS\_FOR\_CARS

PARTS

I followed through the instructions on the project specification, testing and querying the data, and created a ‘word’ document with demonstration of Codd’s rules as I was unable to do this in PDF, as the rules were not included and I found it difficult to edit pdf document, given time restraints.

A **relational database management system** (**RDBMS**) is a [database management system](https://en.wikipedia.org/wiki/Database_management_system) (DBMS) that is based on the [relational model](https://en.wikipedia.org/wiki/Relational_model) as invented by [E. F. Codd](https://en.wikipedia.org/wiki/Edgar_F._Codd), of IBM's [San Jose Research Laboratory](https://en.wikipedia.org/wiki/IBM_Almaden_Research_Center). In 2016, many of the databases in widespread use are based on the [relational database](https://en.wikipedia.org/wiki/Relational_database) model.

RDBMSs have been a common choice for the storage of information in new databases used for financial records, manufacturing and logistical information, personnel data, and other applications since the 1980s and have over-ridden traditional filing systems that often involved duplication of records.

**Deirdre Weldon**

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